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**SUBJECT:     ARCHITECTURAL TECHNICAL GUIDE 0017     (January 1, 2005)**  
**Eligible Areas for Financing Air Conditioning for Multi-Family Housing**  
**(MFH) Programs in Colorado**

The purpose of this Architectural Technical Guide (ATG) is to summarize eligible areas for financing mechanical air conditioning in new and existing housing projects funded by the Section 515 Rural Rental Housing Program and Sections 514/516 Farm Labor Housing Programs.

Though the more frequent climate control demand in Colorado is heating, some areas do warrant the integration of air-conditioning into new and existing construction due to the length of the cooling season. Typically these areas occur at the lowest elevations. Air-conditioning is considered an eligible funding purpose for MFH Programs project construction in Colorado only at locations exceeding 600 cooling degree days. This is considered to be a reasonable compromise between cost containment and market driven demands. Reference Exhibit A to this ATG for more detailed information on locations where air conditioning is considered an eligible funding purpose in Colorado.

The State Architect should be consulted with respect to any questions on this subject.

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Attachment:       Exhibit A:       Permissible Locations in Colorado for Financing Air Conditioning in MFH  
Programs New Construction

## Exhibit A

Architectural Technical Guide 0016

(Revised 01/01/05)

Permissible Locations in Colorado for Financing Air Conditioning in MFH Programs New Construction

# Permissible Locations in Colorado for Financing Air Conditioning in MFH Programs New Construction

[Reference the attached “*Cooling Degree Days for Locations throughout Colorado*” chart]

Heating degree days and cooling degree days are used as a measure of the heating and cooling needs of buildings. Both are referenced to 65 degrees F. If the average of a given day's high and low temperature is 65 degrees, then there are no (zero) heating or cooling degree days. If the average temperature is 72 degrees F for a given day, then there are (72 minus 65 equals) 7 cooling degree days. If the average temperature is 50 degrees F., then there are (65 minus 50 equals) 15 heating degree days. You can add up the degree days for any time period, say the month of January, and get an idea of how much heating is required to heat buildings. The energy industry pays close attention to heating and cooling degree days as a way to predict energy prices.

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[The following data has been furnished by the National Weather Service.]

## **Cooling Degree Days**

### **For Locations throughout Colorado**

<b>COLORADO LOCATION</b>	<b>HEATING DEGREE DAYS</b>
Akron	695
Alamosa	69
Allenspark	26
Aspen	36
Bonny Dam	919
Boulder	790
Buena Vista	76
Burlington	887
Byers	648
Canon City	919
Cedaredge	510
Center	76
Cheesman	180
Cherry Creek	554
Cheyenne Wells	921
Cochetopa Creek	13
Colorado National Monument	1069
Colorado Springs	501
Cortez	473
Crested Butte	0
Del Norte	41
Denver	680
Dillon	0
Durango	209
Eads	1066
Eagle	119
Estes Park	29
Fort Collins	471
Fort Lewis	79
Fort Morgan	760
Fruita	754
Glenwood Springs	371
Grand Junction	1205
Grand Lake	0
Great Sand Dunes National Park	111
Greeley	647
Green Mountain Dam	56
Gunnison	18

Hayden	154
Hermit	0
<a href="#">Holly</a>	1283
<a href="#">Holyoke</a>	825
<a href="#">John Martin Dam</a>	1304
<a href="#">Kassler</a>	713
Kauffman	431
<a href="#">La Junta</a>	1301
<a href="#">Lakewood</a>	639
<a href="#">Lamar</a>	1242
<a href="#">Las Animas</a>	1226
Little Hills	116
Longmont	555
Mesa Verde National Park	596
Monte Vista	77
Montrose	581
Northdale	227
Norwood	143
Ouray	105
Pagosa Springs	86
<a href="#">Palisade</a>	1290
Parker	460
<a href="#">Pueblo</a>	1042
Rangely	575
Rifle	345
<a href="#">Rocky Ford</a>	1008
Rye	295
Saguache	86
Silverton	0
Steamboat Springs	18
<a href="#">Sterling</a>	721
<a href="#">Stratton</a>	901
Taylor Park	0
Telluride	0
<a href="#">Trinidad</a>	741
Vallecito Dam	70
Walden	0
Walsenburg	538
Waterdale	410
Westcliffe	46
<a href="#">Wray</a>	977